Name_____

Date_____ Period_____

Prime or Composite.

1) Is the whole number 170 prime or composite?

2) Is the whole number 73 prime or composite?

3) Is the whole number 72 prime or composite?

4) Is the whole number 46 prime or composite?

5) Is the whole number 44 prime or composite?

6) Is the whole number 100 prime or composite?

7) Is the whole number 178 prime or composite?

8) Is the whole number 122 prime or composite?

9) Is the whole number 87 prime or composite?

10) Is the whole number 36 prime or composite?

Prime or Composite.

1) Is the whole number 170 prime or composite?

> Answer: Composite

2) Is the whole number 73 prime or composite?

> Answer: Prime

3) Is the whole number 72 prime or composite?

> Answer: Composite

4) Is the whole number 46 prime or composite?

> Answer: Composite

5) Is the whole number 44 prime or composite?

> Answer: Composite

6) Is the whole number 100 prime or composite?

> Answer: Composite

7) Is the whole number 178 prime or composite?

> Answer: Composite

8) Is the whole number 122 prime or composite?

> Answer: Composite

9) Is the whole number 87 prime or composite?

> Answer: Composite

10) Is the whole number 36 prime or composite?

> Answer: Composite

MathVine - Pre-Algebra   Name_____

Prime or Composite   Date_____ Period_____

Solution Steps

1) Is the whole number 170 prime or composite?
170 (170 is even) → Yes
Because 2 is a divisor of 170, 170 is a composite number

2) Is the whole number 73 prime or composite?

73 (73 is not even) $\rightarrow$ No

73 ($7+3 = 10$, and $\rightarrow$/3 = No) No No

$73 \rightarrow \text{No}$

73 is not divisible by 7

Because 73 has no factors other than 1 and 73, 73 is a prime number

3) Is the whole number 72 prime or composite?

72 (72 is even) $\rightarrow$ Yes

Because 2 is a divisor of 72, 72 is a composite number

4) Is the whole number 46 prime or composite?

46 (46 is even) $\rightarrow$ Yes

Because 2 is a divisor of 46, 46 is a composite number

5) Is the whole number 44 prime or composite?

44 (44 is even) $\rightarrow$ Yes

Because 2 is a divisor of 44, 44 is a composite number

6) Is the whole number 100 prime or composite?

100 (100 is even) $\rightarrow$ Yes

Because 2 is a divisor of 100, 100 is a composite number

7) Is the whole number 178 prime or composite?

178 (178 is even) $\rightarrow$ Yes

Because 2 is a divisor of 178, 178 is a composite number

8) Is the whole number 122 prime or composite?

122 (122 is even) $\rightarrow$ Yes

Because 2 is a divisor of 122, 122 is a composite number

9) Is the whole number 87 prime or composite?

87 (87 is not even) $\rightarrow$ No

87 ($8+7 = 15$, and $\rightarrow$/3 = Yes) Yes Yes

Because 3 is a divisor of 87, 87 is a composite number

10) Is the whole number 36 prime or composite?

36 (36 is even) $\rightarrow$ Yes

Because 2 is a divisor of 36, 36 is a composite number